

ABSTRACT

~~Method of modulation and demodulation of a digital signal, in particular in a frequency band affected by flat fading, associated modulator and demodulator.~~

~~Broadcasting on the FM band presents a major drawback in respect of digital transmission by virtue of a propagation problem called spatial fading or flat fading. The invention proposes a~~

A method of modulating a digital signal of width L in frequency on a given useful frequency band is described characterized in that it comprises the following steps: comprising: ~~[[]]~~ a separation of the The digital signal is separated into N blocks b_n ($1 \leq n \leq N$) ~~[[,]]~~ ~~[[-]]~~ a splitting of the The given useful frequency band is split into N contiguous parts P_n ~~[[,]]~~ ~~[[-]]~~ a definition of channels Channels C_n , of width l_n in frequency, lying within an associated part P_n , are defined. ~~[[the]]~~ The channels C_n being are separated, ~~[[-]]~~ a distributing of each block of digital signals b_n over the associated channel C_n .

Figure 1]